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BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Detailed Estimate for Providing Aerial Bunch Cable and additional Street lighting for arranging load to the Bio-Gas Power Generation Plant situated at Kuvempunagar Ward -11

Budget Head:-

Ward No. 11 **Estimate No.....93** **For Rs.5,00,000.00**

Sl No	Description Of Work	Qty	Rate	Unit	Amount
	KPWD (elect) SR 2010-11				
1 41/38	Fabricating supplying and and mounting MS box made out ..... SWG suitable for floor/ wall mounting , fully weather proof with provision for better heat dissipation, provided with hinged fron cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., compleate , b) 16SWG,	24000	0.33	Sqcm	7920.00
2 32/9	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc., Group 'A' PWD SR 2007-08	2	4200.00	Each	8400.00
3 34/8	Supplying and fixing of 4 pole power contactor with NO/ NC contacts on existing wood/panel board using necessary bolts,nuts,washers and wiring etc,complete.with AC-3 rating as per IS-13947,c) 60-70 Amps ,	4	3865.00	Each	15460.00
4 36/12	Supplying and fixing Miniature circuit breakers over the existing MCB distribution boards using necessary fixing materials and 'C' type curve,indicator On/OFF Energy cross -3 with short circuit breaking capacity of 10K and complete wiring as required. Make: ABB, Seimens, Legrand, L&T, MG f) 40-63 Amps TPN 1) Group 'A'	4	1495.00	Each	5980.00
5 32/3	Supplying and fixing of porcelain fuse channel with cut out on existing wooden/panel using necessary nuts bolts and washer etc, complete c) 63 Amps	6	219.00	Each	1314.00
6 70/10	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc d. 35 Sqmm	2	313.00	Each	626.00
7 41/37	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. . (32.9a) a) 40x40x6mm	8	240.00	Rmtr	1920.00
8 69/4	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Class I. Class 'A' PVC Cable				
	e) 3.5 core 25sqmm	75	215.00	Per Mtr	16125.00

9 69/5	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct.				
	b) 25 sqmm to 75 sqmm	75	11.00	Rmtr	825.00
10 70/6	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB 1-2, P-7)b. In hard Soil	50	50.00	Rmtr	2500.00
11 9/20	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring.I Group A .c) 2.5 sqmm	300	25.00	Per Mtr	7500.00
12 75/24	Supplying and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and shall be mounted on Octogonal pole using necessary bolts, nuts, etc., complete. a) Single Arm Bracket with 1000mm Standard	25	1650.00	Each	41250.00
13 70/9	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class . a. 40 mm	15	240.00	Rmtr	3600.00
14 54/60	Supplying and fixing/replacement of ignitor suitable for 70 to 400 watts SV/MH fittings a) Group A	25	520.00	Nos	13000.00
15 54/55	Supply and fixing of 230 volts Porcelain holder for MV/SV/MH lamp b) 250-400 Watts lamp Holder	25	78.00	Nos	1950.00
16 53/50	Supplying and fixing HPSV lamps on existing fitting mounted on tubular pole c) 250 Watts	25	809.00	Nos	20225.00
17 53/47	Supply and fixing of 250 Watts heavy duty open construction ferromagnetic copper ballast for HPSV/HPMH lamps c) 250 Watts 2. Group B	25	993.00	Nos	24825.00
BESCOM S.R Rates					
18 11/44.1	LT 3 phase 5 wire Aerial Bunched Cable of size 3X25+1X16+1X25+1X35 sqmm (Standard Stock materials 2009-10) Rs 81450/ Kmt	750	81.45	P/Mtr	61087.50
19 13/253	Striniging of 1.1 KV grade aerial bunched 3 core cable of XLPE insulation standard aluminium conductor standard around a weather resistant black XLPE insulated AAA messanger wire (3X 50 Sq mm + 1X 16 sqmm + 1X 50 Sqmm + 1X 35 sqmm) 2.(3 X95) (for phase Conductor)+ (1X 50)(insulated messanger neutral)+(1X16)(Labour charges 2010-11) Rs 8961/Kmt	750	8.96	P/Mtr	6720.75
20 9/281	Piercing connector suitable 16 Sqmm - 95 Sqmm AB cable service connections (Standard Stock materials 2010-11)	50	210.00	Nos	10500.00
21 9/286	Dead End Clamp/ Anchor clamps assembly 25 to 95 sqmm bear messanger (Standard Stock materials 2010-11)	2	140.00	Nos	280.00
22 9/287	suspension clamp assemblly 25 to 95 sqmm bear messanger (Standard Stock materials 2010-11)	25	280.00	Nos	7000.00
23 13/255	Errection of suspension clamp 25 to 95 sqmm bear messanger (Labour charges 2010-11)	25	85.00	Nos	2125.00
24 13/256	Errection of Anchor clamp 25 to 95 sqmm bear messanger (Labour charges 2010-11)	2	85.00	Nos	170.00
25 13/261	Istallation of insulation piercing connector for main to street light Main: 16 -95 sqmm,Tap: 1.5-10 sqmm (EP 95)	50	40.00	Nos	2000.00

26 I.no-261	LT 1 phase 3 wire Aerial Bunched Cable of size 1X25+1X16+1X25 sqmm	1100	40.10	P/Mtr	44110.00
27 I.no-26.5	Striniging of 1.1 KV grade aerial bunched 3 core cable of XLPE insulation standard aluminium conductor standard around a weather resistant black XLPE insulated AAA messanger wire (1X 25 Sq mm + 1X 16 sqmm + 1X 25Sqmm + 1X 35 sqmm)	1100	8.96	P/Mtr	9857.10
28 9/285	Universal Hook & Bolts and Nuts	25	280.00	Nos	7000.00
29 13/259	Fixing of Universal hook	25	85.00	Nos	2125.00
30	Casting of suitable foundation for the Octagonal Pole including designing and cost of all materials like Anchor plates,Template and washers labour charges, all other incidental charges etc,. complete as per specification and Drawing given in KPWD elect SR 2010-11(P.No 103) Detailed Calculation as per CIVIL SR items Enclosed.	25	4929.74	Each	123243.50
31	Hire Charges Components for Tractor 50 HP ,Sl no 20, Page No XXXIV, KPWD SR CIVIL 2010-11	3	2240.00	Day	6720.00
32	Hire Charges Components for Crane Charges ,Sl no 66, Page No XXXVI, KPWD SR CIVIL 2010-12	3	3200.00	Day	9600.00
33	Supplying and Fixing 4 Nos of 590 mm length High Yield Tensile Cold Rolled Pitched threads (680 N/sq mm) 27 mm Bolt dia (Mkt Rate)	25	1350.00	Nos	33750.00
34	Miscellaneous				291.15
	TOTAL				**500000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2010-11 Rates.and BBMP Approved rates

Jr. Engineer (Elecl) /Asst Eng

Asst. Executive Engineer (Elecl)
Yelahanka Zone, BBMP

EXECUTIVE ENGINEER (ELECL)
Yelahanaka Zone, BBMP

ADMINISTRATIVELY SANCTIONED FOR Rs.....
Rupees ...Already obtained for Rs 65.00 lakhs/ Original Estimate
Under ...vide NO:- CE(Sw.m)/AS/15/11-12
Registered as E E ( ) No...Date...9 9
Subject to conditions contained in enclosed memo EE ( ) No...../9/
Dt..... Estimate A/Sanctioned
.....No. .....
dated.....Rs.....

Joint Commissioner
(Vatarayanapura)

TECHNICALLY SANCTIONED FOR Rs. 5.00 lakhs
Rupees ...five lakhs.....
Under ...P 2200 – 13th finance
Registered as EE ( ) No. .....
Subject to conditions enclosed memo EE ( ) No. CE(Sw.m)/AS/15/11-12
Dt. EE(Ele)/yx/15/06/13-14.
Dated ...1/8/2013
Rs 5.00 lakhs

Executive Engineer